
**FINAL
ENVIRONMENTAL IMPACT STATEMENT
WANAPA ENERGY CENTER**

Lead Agency: Department of the Interior
Bureau of Indian Affairs (BIA)
Umatilla Agency
Pendleton, Oregon 97801

Cooperating Agency: Bonneville Power Administration
(DOE-EIS-0342)
Portland, Oregon

Bureau of Reclamation
Pacific Northwest Region
Boise, Idaho

Project Location: Oregon

**Comments on this EIS
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ABSTRACT

Diamond Wanapa I, LP (DW), the Confederated Tribes of the Umatilla Indian Reservation (CTUIR), the Eugene Water & Electric Board, the City of Hermiston, and the Port of Umatilla propose to jointly build and operate a new 1,200-megawatt (MW) natural gas-fired electric power generating facility that would be located approximately 4 miles east of Umatilla, Oregon. The proposed project referred to as the Wanapa Energy Center would be constructed on approximately 47 acres of land *held in trust by the United States for* the Confederated Tribes of the Umatilla Indian Reservation, *the beneficial owners*.

The participants propose to install highly efficient combustion turbines (CTs) generators at the Wanapa Energy Center. Each CT would exhaust through a heat recovery steam generator (HRSG) that can be fired by auxiliary duct burners (DBs). The HRSGs would produce steam to be used on-site in condensing steam turbines. Natural gas would be the sole fuel for the CTs and DBs. The CTs and DBs would employ combustion control technologies (such as dry low-nitrogen oxide

[NO_x] combustors) as well as post-combustion controls (such as selective catalytic reduction (SCR) and oxidation catalysts) in order to reduce air pollutant emissions.

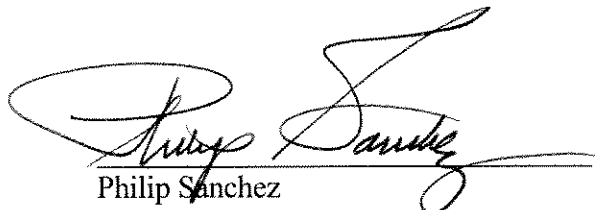
The Wanapa Energy Center would incorporate two similar blocks of combined cycle. The nominal capacity of each block would be 600 megawatts (MW). Each block would consist of two CTs, two HRSGs (each with one exhaust stack), one steam turbine (ST), and associated plant equipment. Phase I of the project would include one complete and operable block that would operate independently of the second phase. Phase II would be installed based on market demand for power.

Natural gas would be provided to the power plant from a new lateral pipeline that would extend from the vicinity of Stanfield, Oregon, approximately 10 miles southeast of the plant site. A new 4.4-mile, 500-kilovolt electrical transmission line would be built by the Bonneville Power Administration (BPA) from the proposed plant site to the existing BPA McNary Substation on the Columbia River. A new water supply pipeline would be constructed between the existing intake structure at the Port of Umatilla and the power plant site. Industrial water would be obtained under the City of Hermiston's and the Port of Umatilla's existing water right (Permit No. 49497) from the Columbia River. Plant discharge water would be transported by pipeline to the Cold Springs Reservoir east of Hermiston, *which is part of Reclamation's Umatilla Basin Project. The Hermiston Irrigation District would follow Oregon Water Resources Department requirements to use the water for irrigation and enter into a Warren Act Contract with Reclamation for use of excess capacity in Cold Springs Reservoir.*

Construction activities for the proposed project are scheduled to begin in 2005, and the energy facility is scheduled to begin operation in 2007.

In accordance with the National Environmental Policy Act of 1969 (NEPA), the Bureau of Indian Affairs (BIA) *has prepared* an Environmental Impact Statement (EIS) for the proposed Wanapa Energy Center Project. The BIA published a Notice of Intent (NOI) on the Wanapa Energy Center Project in the Federal Register dated October 22, 2001. The BPA *and Bureau of Reclamation are* cooperating agencies for this EIS.

Responsible Official for EIS:



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Umatilla Agency